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1920, v. 21, p. 499-500.

DESCRIPTORS: *Eye, *Optical illusions, *Visual
perception, Adjustment (Psychology), *Optics,
*Vision, *Ophthalmology, *Visual activity, Tests.

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1. Title: Micropsia, Macropsia
1. Horovitz, K.

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(10-1507).

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PLATING INSTALLATIONS.** [1963] 20p. (Zig. engles)
10 refs.
Order from SLA \$1.60

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Trans. of ETZ Elektrotechnische Zeitschrift.
[Ausgabe] B. [der Elektrotechniker] (West Germany)
1961 [v. 13] no. 12, p. 334-338.

DESCRIPTORS: "Silicon," "Crystal rectifiers," "Electro-
plating, Fuses (Electrical), Reliability.

Despite the greater reliability of silicon rectifiers used
for supplying current to electroplating plants, provision
must be made against several types of breakdown. The
possible types of breakdown are enumerated. It was
shown that the special characteristics and operating
(Engineering--Electrical, TT, v. 10, no. 7) (over)

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I. Horst, H. A.
H. Jahn, H. H.
H. Schulze-Duch, W.

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Early Diagnosis and Therapy of Toxoplasmosis in
Adults, by H. Franke, H. G. Horst, 18 pp.

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The Gnostic Factor in Anthropotherapy, by L. Horst,
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DIELECTRIC CONSTANT AND LOW TEMPERA-
TURE DEPENDENCE. [1962] 7p. (2 figs. omitted)
5 refs.

Order from OTS or SLA \$1.10

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Trans. of German patent 1,117,766 by Rosenthal-
Isolatoren Gesellschaft, appl. 21 Feb 59, issued
23 Nov 61.

DESCRIPTORS: *Ceramic capacitors, *Dielectrics,
Dielectric properties, Temperature, Capacitors.

(Engineering--Electrical, TT, v. 8, no. 6)

62-14894

I. Horst, R.
II. Patent (Germany)
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Method for the Preparation of Aliphatic
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Attack of Iron-Saturated Molten Zinc on Iron, by
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GERMAN, per, Archiv Eisenhütten, Vol. XXV,
Nos 5-6, 1954, pp 207-213.

Butcher Tr No 3407
\$4.80

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Scientific - Min/Metals Feb 55 CTS

Intensified Attack of Molten Zinc on Iron at
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tion of Iron-Zinc Alloy Layers, by D.
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Vol XXVII, No 5, 1956, pp 297-302.

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Electrolytic Solution of Intermetallic Iron Zinc
Compounds and Determination of Solubility of Some
Metals in These Compounds, by D. Horstmann.

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Dec 60

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(Materials--Finishes, TT, v. 5, no. 7)

61-12713

1. Coatings--Porosity
2. Metals--Coatings
1. Horstmann, D.
- II. ~~BISI-2034~~
- III. British Iron and Steel
Industry Translation
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GERMAN, per, Stahl Eisen, Vol 80.
Oct 27, 1960, pp 1531-1540.
DISI 4359

D. Horstmann

Sci/ENH
Oct 65

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Sci - Chem

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Structure of the Steel and Zinc Coat on the
Properties of Cold Rolled, Zinc-Coated Sheets,
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AISI 2973

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TW7 R57 No 549

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Sci - Man/Met
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Fatigue Characteristics of Cold-Rolled ~~STEEL~~
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GERMAN, Met, Stahl und Eisen, Vol LXXII, N
No 25, 1952, pp 1775-1781.

HB 6078

Sci-4/H
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1963, pp 1649-1656.
HB 612

Sci - M/M
Apr 64

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GERMAN, per, Forschungsber. Land.
Nordrhein-Westfalen, No 1413, 22, 1964.
DISI 4420

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Sci/141
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ZERNKE, per. Forschungsb. Land. Nordrhein-
Westfalen, 1961, (1947), 27 pp.
SI51 4470

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Horstmann, Dietrich.

THE ADHESIVE STRENGTH OF ZINC COATINGS
ON HEAVILY COATED, HARD DRAWN WIRES OF
RIMMED LOW CARBON STEEL. Rept. no. 83 and
rept. no. 30 of the Galvanizing Panel of the Wire
Manufacturing Panel of the Verein Deutscher Eisen-
hüttenleute. [1961] [11p. 8 refs.
Order from SLA \$1.60

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Trans. of Stahl und Eisen (West Germany) 1958,
v. 78, 16 Oct. p. 1456-1462.

DESCRIPTORS: *Steel wire, *Zinc coatings, *Adhesion
Nitrogen, Phosphorus, Iron, Temperature, Coatings,
Metal coatings, Wire.

The adhesive strength of the zinc coating of heavily
galvanized hard drawn wires of low carbon rimmed
steel is improved by nitrogen and phosphorus in the
steel. The remaining accompanying elements in the
(Metallurgy--Ferrous Metals, IT, v. 6, no. 10) (over)

61-18743

I. Horstmann, D.
II. Title: Verein...

Office of Technical Services

Horstmann, Dietrich.
THE ATTACK OF IRON SATURATED ZINC MELTS
ON ALUMINUM CONTAINING IRON. [1963] [10]p.
7 refs.

Order from SLA \$1.10

63-16845

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1956, v. 27, no. 3, p. 161-163 (Max Planck
Institut für Eisenforschung) (West Germany).
[Communication]-657; [Verein Deutscher Eisen-
hüttenleute (West Germany). Berichte-20].

DESCRIPTORS: *Aluminum, *Iron, *Zinc, Melting.
*Fused materials. Chemical analysis.

The attack of iron saturated zinc melts is strengthened
by means of very slight aluminum content in the iron up
to perhaps 1%. At higher aluminum contents of perhaps
5% the attack is lower than on aluminum free soft iron.
(Metallurgy, TT, v. 10, no. 6)

63-16845

- I. Horstmann, D.
- II. Max ... Communica-
tion-657
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The Structure of the Skin as Determined Under
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NIH 12-23-62

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Electron Microscopic Studies on the Epidermis. I.
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1958, pp 348-362.

HHH 11-28

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NIH 4-41-62

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THE STRUCTURE OF THE NUCLEOLUS AND THE NUCLEUS, BY
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PP 100-107.

NIH 6-58-62

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RELATIONS BETWEEN STRUCTURE, ACTION AND
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MIDINE SERIES. [1961] 110p. 23 refs.

Order from SLA \$1.10

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Trans. of Arzneimittel-Forschung (West Germany)
1961, v. 11, Aug. p. 682-684.

DESCRIPTORS: *Sulfadiazine, Pyrimidines, *Chemo-
therapeutic agents, Effectiveness, Proteins, Serum,
Molecular structure, Mice, Streptococcus infections.

The chemotherapeutic activity and the binding to human
serum of 38 different, preferably 5-substituted sulfa-
nilamidopyrimidines have been investigated. The values
are compared with those of the clinically applied sul-
fapyrimidines, which were investigated under identical
conditions. Five of the 38 sulfapyrimidines were more
(Biological Sciences--Pharmacology, 11, v. 7, no. 9)

62-14098

I. Horstmann, H.
II. Knott, Th.

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The Effect of the Ground to Air to Ground
Cycle on the Life of Transport Aircraft
Wings Which are Subject to Gust Loads,
by E. Cassner, K. F. Horstmann.

GERMAN, per, Ber Lab Fur Betrieb Darmstadt,
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RAE 933 '

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Effect of Soviet Control At School and Meeting on the
 Service Time of Anti-Soviet Agents of Foreign
 Affairs, by E. G. Gromov, E. P. Gromov, 1959
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Ref - Eng
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Distribution of Population in Indonesia,
by Kurt Horstmann, 19 *pp*.
GERMAN, per, Die Erde, No 3, 1964, pp 167-180.

✓ JPRS/DC-11052/SPECIAL

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Clinic and Electroencephalographic Experiences with Nae 339 (3-Methyl-3,4-Dihydroxy-4-Phenyl-1-Butyne in Infancy (Children), by W. Horstmann.

GERMAN, par, Medizinische Klinik, Vol 58, No 30, 1963, pp 1234-1236.

SLA tt-66-10097

W. Horstmann

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Decomposition of Crude Fiber in the Cecum,
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CFSTI TT 65-80502

F. Horszczarski

Sci-864
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Length and Capacity of the Intestinal Tract
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czarek,
POLISH, per, Ročníkí Nauk Rolniczych, Vol
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CFSTI TT 65-50502

Sci-DBW
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Different Amounts of Crude Fiber in the
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POLISH, per, Roczniki Nauk Rolniczych, Vol
LXIX-B-1., 1962, pp 5-22.
CFSYI TT 65-50502

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Sci-BCH
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Conductivity of Aqueous Solutions of Sodium
Hydroxide and Sodium Carbonate,
by J. J. Horta dos Santos, et al.
PORTUGUESE per, Tecnia, Vol XXXVIII,
No 337, 1964, pp 439-451.
Chem Trans Sv No 3047

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On the Exothermic Reaction of Metakaolin
Between 950 and 1000°C, by J. Wiegmann, C.
Horte.

GERMAN, per, Z. fuer Anorganische und
Allgemeine Chemie, Vol CCLXXVI, No 5/6,
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A Method for Producing Beams of Negative Ions, 77
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GERMAN, rpt. Max-Planck-Institut fuer Kernphysik,
Heidelberg, 1960. 9221773
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The Treatment of Presenile Involutional
Osteoporosis, by E. Jessorer, U. Hörtzugi, 27 pp.

GERMAN, per, Wien Klin Wochr, Vol LXVI, No 1,
1954, pp 10-15.

NIE Tr No 5-18

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**Franco-Rumanian Relations in the Human Medical Field,
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Dr Nicolae Bartolomei, 6 pp.**

^{per}
**FRENCH, Sgt, La Presse Medicale, Aug 1936,
Encl to IR-3926-36, AA, Paris.**

EEur-Rumania AF 106093
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The Adhesive Strength of Zinc Coatings on
Heavily Coated, Hard Drawn Wires of Rimmed Low
Carbon Steel, by D. Hortschmann. UNCL

GERMAN, per, Stahl u Eisen, 16 Oct 1958,
pp 1456-1462.

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Horun, S.
PROCESS FOR THE MANUFACTURE OF PHENOLIC
FOAMS. [1963] 5p.
Order from ATS \$7.50

ATS-53Q68RU

Trans. of Rev[ista de] Chim[ie] (Rumania) 1962,
v. 13, no. 7/8, p. 471-473.

DESCRIPTORS: *Foams, Processing, Manufacturing
methods, *Expanded plastics, *Phenolic plastics.

63-17452

I. Horun, S.
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East Orange, N. J.

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Method of Making Phenolic Foam, by S. Horun.
ROMANIAN, per, Revista de Chimie, Vol 13, No 8,
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ALL Ref: 5828.4F (H 13341)

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Sci/Mat
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Ultrasonic Testing of Welded Joints,
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SWISS, par, Zeitschrift fuer Schweiastechnik,
Vol 49, No 10, 1959, pp 284-289.
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Sci-Engr
Jul 66

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(NY-4348)

Ten Years of the Socialist Instrument Industry,
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HUNGARIAN, per, Mérés es Automatika, Vol VIII,
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JPRS 7328

KKur - Hungary
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Study of Splashes Produced by Vertical Top Flowing
on to a Bath of Water, by J. Chedaille, M. Norvais

FRENCH, per, Centre de Documentation Siderurgique, 2
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DESCRIPTORS: *Anaerobiology, *Corrosion, *Oxida-
tion-reduction reactions, *Hydrogen ion concentration,
Sulphur, Iron

A potential - pH equilibrium diagram was constructed
for the Fe - S - H₂O ternary system in connection with
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1. Title: Pourbaix diagrams
2. Title: Sulfate-reducing
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DESCRIPTORS: *Anaerobiology, *Corrosion, Bac-
teria, *Polarization, Reduction (Chemistry), *Sulphates,
Iron, Steel

Electrochemical model tests were conducted, aimed at
evaluating the exact mechanism of anaerobic micro-
biological corrosion of iron and steel caused by sulfate-
reducing bacteria. Experimental results obtained in a
liquid medium with mild steel electrodes demonstrate
that the rapid corrosion occurring in the presence of
(Metallurgy--Corrosion, TT, v. 11, no. 3) (over)

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1. Title: Sulfate-reducing
bacteria
2. Title: Thiobacillus
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